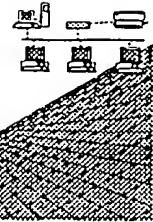


Op

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 644,021
Source: Open
Date Processed by STIC: 8-25-03

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PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 04/24/2003



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,021

DATE: 08/25/2003
TIME: 14:20:22

Input Set : A:\1201 DIV SEQLIST.TXT
Output Set: N:\CRF4\08252003\J644021.raw

4 <110> APPLICANT: WEI, Ming-Hui et al.
6 <120> TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
7 ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
8 THEREOF
10 <130> FILE REFERENCE: CL001201DIV
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/644,021
C--> 12 <141> CURRENT FILING DATE: 2003-08-20
12 <150> PRIOR APPLICATION NUMBER: To be Assigned
W--> 13 <151> PRIOR FILING DATE: 08-20-2003
W--> 15 <140> CURRENT APPLICATION NUMBER: 09/820,004
C--> 16 <141> CURRENT FILING DATE: 03-29-2001
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20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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23 <211> LENGTH: 1606
24 <212> TYPE: DNA
25 <213> ORGANISM: Human
27 <400> SEQUENCE: 1
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30 gggggcaagc ggaagggtat gccaagatg gaccaggact cgctcagcag cagcctgaaa 180
31 acttgctaca agtatctcaa tcagaccagt cgcaaggatc cagctgttat ccaggcgctg 240
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33 ctggaagatg acatgaccat cagtggtgaa aagaaggatc cgctgttaca caactttcac 360
34 tcttcctt accaaccaga ctggcggtc atggagagca aggagaagga tcggcagg 420
35 ctggaggact tcccaacgta ctgcaactat gttgtggc tggctggaaat tggcctttcc 480
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37 aactctatgg gcctgtttct gcagaaaaca aacatcatcc gtgactatct ggaagaccag 600
38 caaggaggaa gagagttctg gcctcaagag gtttggagca ggtatgttaa gaagtttaggg 660
39 gatttgcta agccggagaa tattgacttg gccgtgcagt gcctgaatga acttataacc 720
40 aatgcactgc accacatccc agatgtcatc acctacctt cgagactcag aaaccagatg 780
41 gtgtttaact tctgtgttat tccacaggtg atggccattt ccactttgc tgctgttat 840
42 aataaccagc aggtgttcaa agggcgatg aagattcgga aaggcaagc agtggaccctc 900
43 atgatggatg ccaccaatat gccagctgtc aaagccatca tatatcgat tatggaaagag 960
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52 cacggtttag gtgaagtgcg tgcataatgtg actgtcatga gatcctactt agtatgatcc 1500

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Corrected Diskette Needed

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be one <140>
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,021

DATE: 08/25/2003
TIME: 14:20:22

Input Set : A:\1201 DIV SEQLIST.TXT
Output Set: N:\CRF4\08252003\J644021.raw

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 58 <212> TYPE: PRT
 59 <213> ORGANISM: Human
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 64 Val Arg Phe Arg Ile Gly Gly Lys Arg Lys Val Met Pro Lys Met Asp
 65 20 25 30
 66 Gln Asp Ser Leu Ser Ser Leu Lys Thr Cys Tyr Lys Tyr Leu Asn
 67 35 40 45
 68 Gln Thr Ser Arg Ser Phe Ala Ala Val Ile Gln Ala Leu Asp Gly Glu
 69 50 55 60
 70 Met Arg Asn Ala Val Cys Ile Phe Tyr Leu Val Leu Arg Ala Leu Asp
 71 65 70 75 80
 72 Thr Leu Glu Asp Asp Met Thr Ile Ser Val Glu Lys Lys Val Pro Leu
 73 85 90 95
 74 Leu His Asn Phe His Ser Phe Leu Tyr Gln Pro Asp Trp Arg Phe Met
 75 100 105 110
 76 Glu Ser Lys Glu Lys Asp Arg Gln Val Leu Glu Asp Phe Pro Thr Tyr
 77 115 120 125
 78 Cys His Tyr Val Ala Gly Leu Val Gly Ile Gly Leu Ser Arg Leu Phe
 79 130 135 140
 80 Ser Ala Ser Glu Phe Glu Asp Pro Leu Val Gly Glu Asp Thr Glu Arg
 81 145 150 155 160
 82 Ala Asn Ser Met Gly Leu Phe Leu Gln Lys Thr Asn Ile Ile Arg Asp
 83 165 170 175
 84 Tyr Leu Glu Asp Gln Gln Gly Arg Glu Phe Trp Pro Gln Glu Val
 85 180 185 190
 86 Trp Ser Arg Tyr Val Lys Lys Leu Gly Asp Phe Ala Lys Pro Glu Asn
 87 195 200 205
 88 Ile Asp Leu Ala Val Gln Cys Leu Asn Glu Leu Ile Thr Asn Ala Leu
 89 210 215 220
 90 His His Ile Pro Asp Val Ile Thr Tyr Leu Ser Arg Leu Arg Asn Gln
 91 225 230 235 240
 92 Ser Val Phe Asn Phe Cys Ala Ile Pro Gln Val Met Ala Ile Ala Thr
 93 245 250 255
 94 Leu Ala Ala Cys Tyr Asn Asn Gln Gln Val Phe Lys Gly Ala Val Lys
 95 260 265 270
 96 Ile Arg Lys Gly Gln Ala Val Thr Leu Met Met Asp Ala Thr Asn Met
 97 275 280 285
 98 Pro Ala Val Lys Ala Ile Ile Tyr Gln Tyr Met Glu Glu Ile Tyr His
 99 290 295 300
 100 Arg Ile Pro Asp Ser Asp Pro Ser Ser Lys Thr Arg Gln Ile Ile
 101 305 310 315 320
 102 Ser Thr Ile Arg Thr Gln Asn Leu Pro Asn Cys Gln Leu Ile Ser Arg
 103 325 330 335

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,021

DATE: 08/25/2003
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Input Set : A:\1201 DIV SEQLIST.TXT
Output Set: N:\CRF4\08252003\J644021.raw

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106 Leu Ser Trp Gln Tyr Leu Thr Thr Leu Ser Gln Val Thr Glu Asp Tyr
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113 <211> LENGTH: 40090
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117 <220> FEATURE:
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125 tggggagttgg gagggtgtc cagtggtagg gacttaggat ttttagttt cagtagtagg 180
126 gaaaaacactc tgaatctaa tacataagta aatgatgtat tagaatatgg taaatatagg 240
127 caagtagacc cccactggga ttagcagtgg tggaaatgtg agagaggca aacaggtggg 300
128 tctagatgag gtgtgagcag actcgagggg cacaggagtt agtcaagcca gtatctgggg 360
129 gatagtgcag gaatagtgaa cagctagaca aaaagtccctt gggccagaga aagcaaaagc 420
130 ataagagatg gaggccagag aggttaatctg ggttggaggc tgcagccctt caggatccct 480
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132 acaggtttcc tggctttttt tgagatgaa tctcgctttt gtccccagg ctggagtgca 600
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136 gtatccgccc cgccttggcc tcccaaagtg ctgggattac. aggcgtgagc caccgcgctc 840
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/644,021

DATE: 08/25/2003

TIME: 14:20:22

Input Set : A:\1201 DIV SEQLIST.TXT
Output Set: N:\CRF4\08252003\J644021.raw

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,021

DATE: 08/25/2003
TIME: 14:20:22

Input Set : A:\1201 DIV SEQLIST.TXT
Output Set: N:\CRF4\08252003\J644021.raw

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209 gtgcttggca tggagttaa tgcttgataa atgggtgttca tcaatctgtat tatgtaaaatt 5220
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RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/644,021

DATE: 08/25/2003
 TIME: 14:20:23

Input Set : A:\1201 DIV SEQLIST.TXT
 Output Set: N:\CRF4\08252003\J644021.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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 Seq#:3; N Pos. 14385,14386,14387,14388,14389,14390,14391,14392,14393,14394

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/25/2003
PATENT APPLICATION: US/10/644,021 TIME: 14:20:23

Input Set : A:\1201 DIV SEQLIST.TXT
Output Set: N:\CRF4\08252003\J644021.raw

Seq#:3; N Pos. 14395,14396,14397,14398,14399,14400,14401,14402,14403,14404
Seq#:3; N Pos. 14405,14406,14407,14408,14409,14410,14411,14412,14413,14414
Seq#:3; N Pos. 14415,14416,14417,14418,14419,14420,14421,14422,14423,14424
Seq#:3; N Pos. 14425,14426,14427,14428,14429,14430,14431,14432,14433,14434
Seq#:3; N Pos. 14435,14436,14437,14438,14439,14440,14441,14442,14443,14444
Seq#:3; N Pos. 14445,14446,14447,14448,14449,14450,14451,14452,14453,14454
Seq#:3; N Pos. 14455,14456,14457,14458,14459,14460,14461,14462,14463,14464

VERIFICATION SUMMARY DATE: 08/25/2003
PATENT APPLICATION: US/10/644,021 TIME: 14:20:23

Input Set : A:\1201 DIV SEQLIST.TXT
Output Set: N:\CRF4\08252003\J644021.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:15 M:280 W: Numeric Identifier already exists, <140> found multiple times
L:15 M:281 W: Numeric Fields not Ordered, <140> not ordered!.
L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:281 W: Numeric Fields not Ordered, <141> not ordered!.
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:16 M:256 W: Invalid Numeric Header Field, Wrong Current FILING DATE:YYYY-MM-DD
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:13920
M:341 Repeated in SeqNo=3